OIPE IAP100
MAY 03 2006
PATENT & TRADEMARK OFFICE

	FIELD NUMBER									
	1	2	3	4	5	6	7	8	9	10
VLIW 1	NOP	*	NOP	NOP	*	NOP	NOP	NOP	*	*
VLIW 2	*	NOP	NOP	NOP	*	*	NOP	*	*	NOP
VLIW 3	*	NOP	NOP	NOP	*	NOP	NOP	*	*	NOP
VLIW 4	*	NOP	NOP	NOP	*	*	NOP	NOP	*	*
MASK	1	1	0	0	1	1	0	1	1	1

FIG. 1

	FIELD NUMBER						
	1	2	5	6	8	9	10
VLIW 1	NOP	*	*	NOP	NOP	*	*
VLIW 2	*	NOP	*	*	*	*	NOP
VLIW 3	*	NOP	*	NOP	*	*	NOP
VLIW 4	*	NOP	*	*	NOP	*	*

FIG. 2

MASK	1	1	0	0	1	1	0	1	1	1

FIG. 3

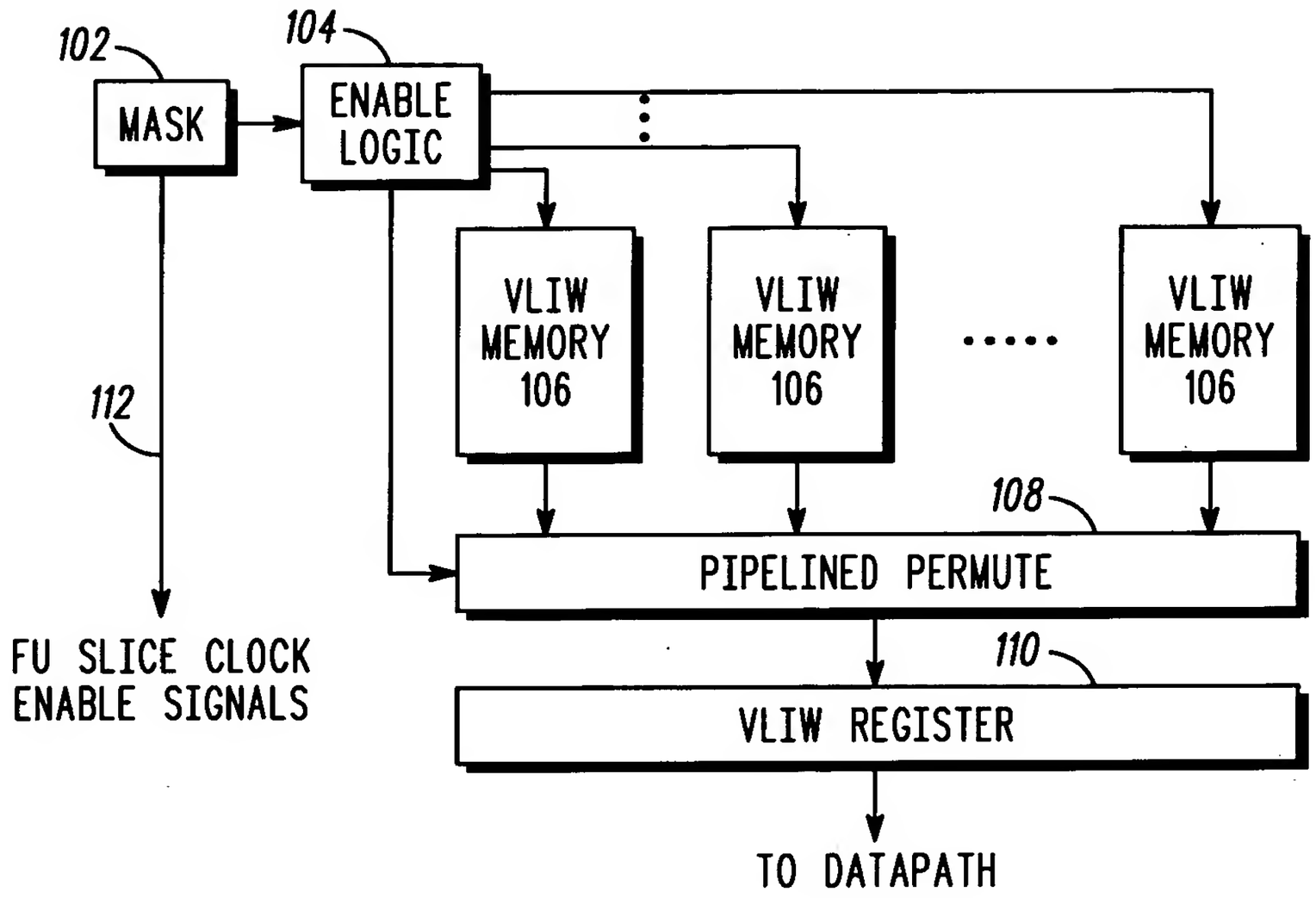
102
104
MASK
ENABLE LOGIC
VLIW MEMORY 106
VLIW MEMORY 106
VLIW MEMORY 106
112
108
PIPELINED PERMUTE
110
VLIW REGISTER
FU SLICE CLOCK ENABLE SIGNALS
TO DATAPATH

FIG. 4

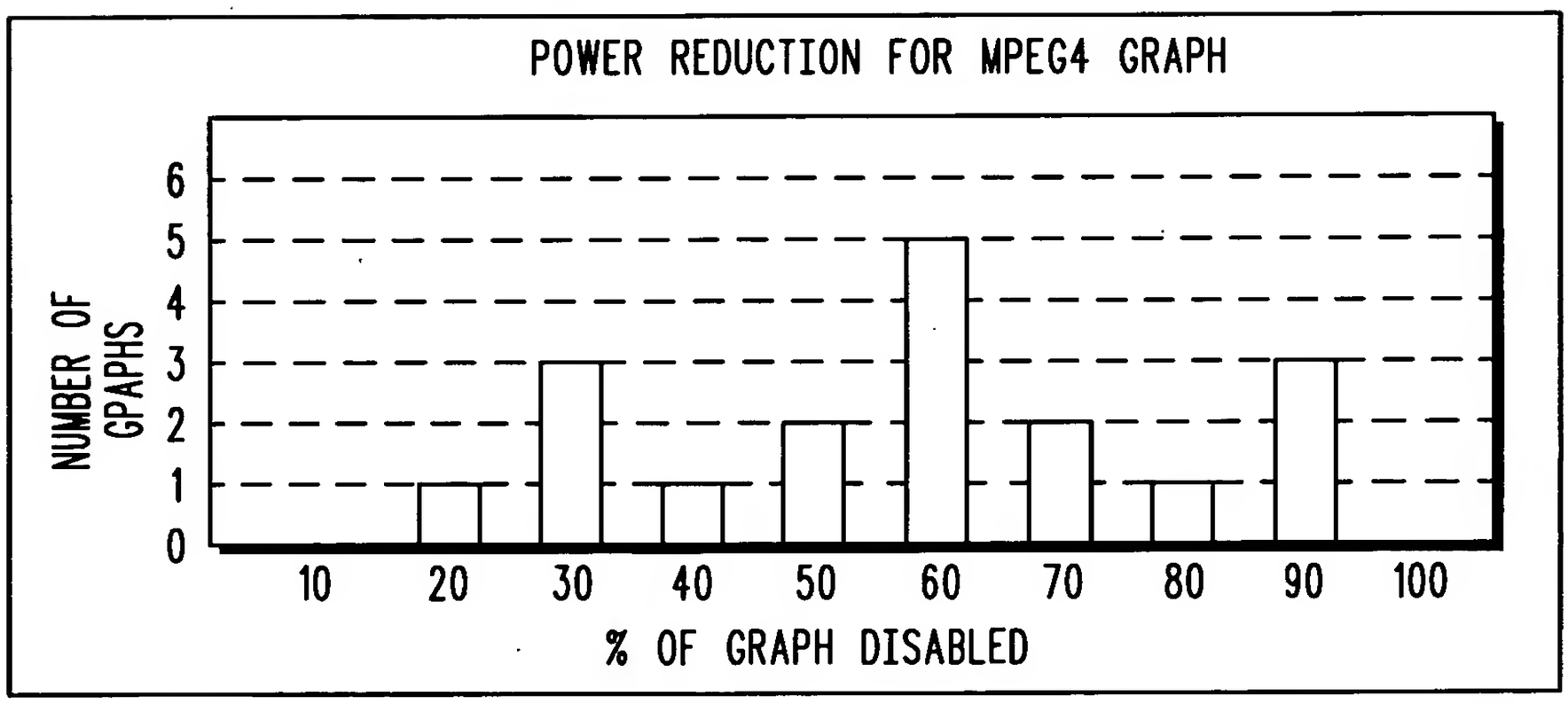
POWER REDUCTION FOR MPEG4 GRAPH
NUMBER OF GPAPHS
0
1
2
3
4
5
6
10
20
30
40
50
60
70
80
90
100
% OF GRAPH DISABLED

FIG. 5